Revision ID:	02933-1			Accept	*N900	040	100	* s	etup Star Stor	I VI	S1*
	Saddle LH In, 206 12/19/12 Start Qty: 4.00 : 1/11/13 Req'd Qty: 4.00		*4* *4*	The second s	Cust Item II Customer:	D:		£		*NS2*	
Approvals:	Process Plan:	fl	Date:/3-01-3		Da	,	- · · · · · · · · · · · · · · · · · · ·	R	un Star	17	R1*
	QC: <u>'</u>		Date:	_ SPC (Y/N):	Da	te:				*N	R2*
Sequence ID/ Work Center ID	Opera Descri		State Control of the	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision N	br					t			:	
D2933	Rev C						\mathbf{v}_{0}		•	•	
100	HAAS (CNC VERTICAL	MACHINING #1	0.00				AX2	\mathcal{Q}		0AS 2533-2-24
HAAS 1	٠	Memo		0.00							
HAAS CNO vertical n	nachine #1	number are p	rogrammed correctly.2-	per 1-Inspect part number Machine Step No 1 of Fo Dimension Sheet 3-Mac	lio and visually		,				
	2	. •							:		(S)
110	CONVI	, ENTIONAL MILL	ING MACHINE	0.00	:				. !	. •	10As 25 13-3-27
110 Mill Conv	7 *	Memo	***************************************	0.00			-				289 532+
Conventional Milling	Machine		way and inspect per atta								
	÷			*		·		! , · ·		e e	
120	OC1- Ir	spect dimensions	to dimension sheet	0.00			•	•		7 -	1DA9
120	, , , , , , , , , , , , , , , , , , ,		,			•		`			25 13-2-77
QC		Memo		0.00			-				<u> </u>
Quality Control							•				

NCR:	Yes	/	No
INCIA.	163	1	110

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Aut Date: /	3/04/16	
1	, ,	

									QA Closed:	Date:	19411
Work Order	: 94	77	3_		DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	_
1	D2				Rework Skid-tube Crosstube Water Jet Scrap Machining Small Fab Prod. Eng. Coor. Use-as-is Thermoforming Finishing Rec/Store/Packaging Large Fab Composite Supplier					Engineering Quality Other	
Root	Date	Step	Qty		ption of work order update or Non-conformance	Initial Chief Eng	Acti		Sign & Date	Verification	OC Increstor
Cause	Date	Sreb	Qty			Chief Eng	Descri	iption	Date	verification	QC Inspector
Doc/Data Equip/Tooling Operator Material	13/4/1	(D)	y	8/6 5 by 1	Slot is off-center to 0.013.	W/	SCZA? Z accept besed un fit	7. hsle	13-4-1	on/ 13/04/01	QAS Q55
Setup Other	-			5/07	y up to 0.517	13/4/1	besed un	fest			B.04.02
Process Supplier					₹.		f; t	3902			
Training Unapproved								151.			
		!			F.	AULT CATE	GORY		7	<u> </u>	1
Landing	Gear	 			General		<u>ν</u>		- 		
	Bending	•			Bend	Grain			Ovalized	F- * ·	Pressure/Forced
	Centre No	ot Concer	ntric to (o/s	BOM/Route	Hardwa	re 🕖	1 (1)	Øyer/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Inspect	on Incomplete	ncia	Part Incorre		Weld
	Crushed/	Crimped.		<u> </u>	Burrs	—	ions Incomplete	nclaar	Part Lost/Mi	issing	Wrong Stock Pulled
	Cuffs	•			Contamination	Mainte		9/	Part Moved	· _	_ ~
	Heat Trea	t			Countersink	Mislabe	eled (T		Positioned V	Vrong	
Inspection Strip in Tube					Cut Too Short	Misread	1	/ F	Power Loss/		Other
Ripples in Bend					Drill Holes	Offset	_		_		•
Torque Waves in Extrusion					Drawing	Out of Calibration					
Turning Sequence F					Finish ·	Out of 9	Sequence				
Wave/Twist in Tube					Folio	Outside	Dimensions				

01770

Page 2

December-20-1	2 8:49:11 Al	M			947	/ / .5						+ ·	
Item ID: Revision ID: Item Name:	D2933-1 Saddle LH In	206			Accept	*N900	040	100)* s	etup Start Stop	i VI ,	S1* S2*	
Start Date: Required Date Reference:	12/19/12	Start Qty: 4.00 Req'd Qty: 4.00		*4* *4*		Cust Item II Customer:	D:						
Approvals:	Process Pl	an:	Date:_		Tooling:	Da	ite:		R	tun Start	1/1	R1*	
	QC:	n#	Date: _		SPC (Y/N):	Da	ıte:			Stop	*N	R2*	
Sequence ID/ Work Center I 130 *130 *130 *130 *140 *140 *140 HandFinish Hand Finishing	D	Operation Description QC8- Inspect parts - sec Memo Chemical Conversion C	en t parts - second check Memo onversion Coat per QSI005 4.1		Set Up/ Run Hours 0.00 0.00	Tool ID	Tool#	Plan Code	Accept Qty 2	Qty	Reject Number	Insp. Stamp	ip .
150 *150* Powdercoat Powder Coating	5069	White Gloss(Ref:4.3.5.1 Memo START TIN	ME: _FINISH TIN	1200	0.00 $0 0.00$ OVEN TEMPERATURE $12 730$	3:		,	2 x j	_M	<u>/ 1</u>	3/04/08	?

										DQA:	Date:	
NCR:	Yes ,	/ No				WORK ORDER NON-C	ONFOR	MANCE / UP	DATE	QA Closed:	Date:	
			<u> </u>			<u> </u>				QA Closed.	Date.	
Work Orde	or.					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No. NCR No.						Rework Scrap Use-as-is Work Order Update	Scrap Machining Small Fab Use-as-is Thermoforming Finishing			i	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update	Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Chief Eng		ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling					,							
Operator							5					
Material												
Setup												
Other												·
Process												
Supplier												
Training												
Unapproved												
						FA	AULT CATE	GORY				
Landi	ng Ge	ar			_	General				-		=
	∐ B₁	ending			7 k	Bend	Grain			Ovalized		Pressure/Forced
		entre No	t Concer	ntric to (o/s	BOM/Route	Hardwa	ire		Over/Under	tolerance	Temperature/Cure
	Cracks Broken/Damaged						Inspect	ion Incomplete		Part Incorre	ct	Weld
	Crushed/Crimped. Burrs						Instruct	ions Incomplete/	Unclear	Part Lost/Mi	issing	Wrong Stock Pulled
	Cuffs Contamination					Contamination	Mainte	enance		Part Moved		
	Heat Treat Countersink					Countersink	Mislabe	eled		Positioned Wrong		-
	Inspection Strip in Tube Cut T					Cut Too Short	Misread			Power Loss/	Surge	Other
	Ripples in Bend					Drill Holes	Offset					

Out of Calibration

Outside Dimensions

Out of Sequence

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

94773

Page 3

December-20-12	2 8:49:11 AN	1		947	7.5						- L
Item ID: Revision ID: Item Name:	D2933-1 Saddle LH In,	, 206	The second secon	Accept	*N900	0401	N 0*	Setup	Start Stop	ומיאו	
Start Date: Required Date: Reference:	12/19/12 1/11/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item II Customer:	D:					
Approvals:	Process Pla	nn:	Date:	Tooling:	Da	ite:		Run	Start	*NR	1*
	QC:		Date:	SPC (Y/N):	Da	nte:			Stop	*NR	2*
Sequence ID/ Work Center II 160 *160* QC Quality Control	D	Operation Description QC3- Inspect Part Finish Memo	nck Location 87 4	Set Up/ Run Hours 0.00 0.00	Tool ID	Tool # Pla Co		pt Rej Qty		Reject Insp. Number Stamp	
170 Packaging Packaging		Memo		0.00			>		 .	13	-U-C
*180 *180* QC Quality Control		QC21- Final Inspection -	Work Order Release	0.00			,	13	14)10 \$ MF	J -4-9-
										12	1

DQA:_	Date:	
-------	-------	--

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

									QA Closed:	Date	:
Work Orde	r:				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No	0.				Rework Scrap Use-as-is Work Order Update	Machining Small Fab Prod. Eng. Coor. Quali Thermoforming Finishing Rec/Store/Packaging Other					
Root				Descr	ption of work order update	Initial	Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector
Ooc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved											
		1	<u> </u>			AULT CATE	GORY				
Landin	g Gear				General						
	Bending Centre Not Concentric to O/S Bend BOM/Route Broken/Damaged						are ion Incomplete		Ovalized Over/Under tolerance Part Incorrect		Pressure/Forced Temperature/Cure Weld
-	Crushed/Crimped. Burrs Cuffs Contamination Heat Treat Countersink						tions Incomplete/ enance eled	Unclear	Part Lost/Mi Part Moved Positioned V	- _	Wrong Stock Pulled
	Inspection Strip in Tube Cut Too Short						d		Power Loss/	Surge	Other
T	Ripples in Bend Drill Holes					Offset					
	Torque Waves in Extrusion Drawing					Out of	Calibration	•			
	Turning Sequence Finish					Out of Sequence					
	Wave/Twist in Tube Folio					Outside Dimensions					

Picklist Print

December-20-12 8:49:11 AM

Work Order ID:

94773

Parent Item:

D2933-1

Parent Item Name:

Saddle LH In, 206

Start Date: 12/19/12

Required Date: 1/11/13

Page 1

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP: B00.06.26New DWG rev (mpp 2069)EC IPP Rev:C As per Rev C 07-03-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6101-001 Saddle Billet		Manufactured	No			100	Each	91.0000	1	4	V 13-	3-24	(
Suddie Smet				Location		Loc Qty	<u>L</u>	oc Code			·	,	
				MAT040		91							
				9123	6	49							
				9259	95	12							
				9336	8	30							•1

97239

•	•	DQA:	Date:	
NCR: Yes / No	WORK ORDER NON-CONFORMANCE / UPDATE			
		0.4.01	D-4-:	

										QA Closeu.	Date	
Work Orde	r:	,			DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
		4			Rework			Skid-tube	Crosstube		Water Jet	Engineering
Part N	lo				Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
				·	Use-as-is		Therm	noforming	Finishing	Rec/Stor	e/Packaging	Other
NCR N	lo.				Work Order Update	1		Large Fab Composite Supplier				
			\ .							•		
Root				Descri	ption of work order update	In	nitial	Act	tion	Sign &		
Cause	Date	Step	Qty	(or Non-conformance	Chi	Chief Eng Description			Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator								·				
Material												
Setup												
Other					•							
Process					i							
Supplier		1										
Training												
Unapproved												
					FA	AULT	CATE	GORY			·	
Landin	ig Gear				General					_	_	
	Bending				Bend		Grain			Ovalized	L	Pressure/Forced
	Centre No	ot Concer	ntric to (o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorred	ct	Weld
	Crushed/	Crimped.			Burrs		Instructi	ions Incomplete/l	Jnclear	Part Lost/Mi	ssing	Wrong Stock Pulled
					Contamination		Mainte	nance		Part Moved		
Ī	Heat Trea	t			Countersink		Mislabe	eled		Positioned V	Vrong ,	
Ī	Inspection	n Strip in	Tube		Cut Too Short		Misread	i		Power Loss/	Surge	Other
ſ					Drill Holes	\Box	Offset			<u> </u>		
	Torque Waves in Extrusion Drawing					Out of Calibration						
Ī	Turning Sequence Finish					Out of Sequence						
	Wave/Tw	ist in Tub	ie		1 _{Folio}	Outside Dimensions						

DART AEROSPACE LTD	Work Order:	94773	
Description: 206 Saddle, Inboard, Left side	Part Number:	D2933-1	
Inspection Dwg: D2933 Rev: C DSK: Rev:		Page 1 of 1	

FIRST ARTICLE INSPECTION DIMENSION SHEET											
		X First Article Prototype									
			Record Actual Dimensions								
[Dim	Min	Max	Go/No Go Gauge	1	2	3	4	5		
	Α	0.100	0.140		-122	-121	120	-120			
	В	0.100	0.140		- 122	-121	-120	120			
	С	0.100	0.140		-120	-120	-120	120			
	D	0.210	0.230		220	-220	-220	-220			
	E	1.245	1.255		1,250	1250	1.250	1,250			
Г	F	1.245	1.255		1,250	1.250	1.250	1,250			
	G	2.495	2.505		2.500	2,500	2.500	2.500			
\ \	Н	0.510	0.515	٠.	-512	-512	-512	.5D			
	1	1.572	1.582		1.577	1.577	1.577	1.577			
	J	2.495	2.505		2.500	2.500	2.500	2.500			
	K	0.257	0.262		-22X	, QSX	258	258			
Г	L	0.312	0.317		313	-313	_3B	-313			
Г	М	0.235	0.240		-238	238	-238	, -238			
Г	N	0.100	0.140		120	120	120	-120			
	0	0.540	0.560		549	548	549	-548			
	Р	0.490	0.510		499	1499	498	498			
	Q	3.715	3.725		3.720	13.720	3.720				
\vdash	R	2.470	2.510		2.490	2490	2.490				
Г	S	0.240	0.270		OFT	250	2SC				
\vdash	Ť	0.100	0.180		130	130	-130	-130			
	U	1.625	1.635		1.630	1.630	1630	1.630			
\vdash	V	1.362	1.372		13/4	1269	1367	1367			
H	w	0.316	0.321		31/2	316	37	716	-		
\vdash	X	1.125	1.145		1.736	1.136	1,136	1-136			
\vdash	Ŷ	1.565	1.585		1.576	1.576	1.57	6 1-576			
\vdash	Ż	0.178	0.198		188	- 88	JES	188			
\vdash	ĀĀ	0.170	0.100		100	1-100	-100	100			
	AB										
	AC				 						
	AD					 					
	AE	• •			· ·				-		
	, <u>, _ </u>			Accept/Reject							
		Measure	d by:				Da	ite: 13-3-27	-		
$\overline{\Box}$		Audite	d by:	m			Da	ate: 13/04/	1		
	Proto	otype Appr	oval:		N/A		Da	ate:	N/A		
	Rev							Revised by	Approved		
Γ	Α		New Issue					RF			
	В	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690 & DT8695 A/B					KJ/RF			
\vdash	C	06.10.03		Г8683, DT8686	KJ/JLM						
Г	Ď	07.03.21	Revised per drawing revision C KJ/JLM								
\vdash	E	08.01.16	DT8695 A/B removed from dimension Y KJ/EC/DD								

